

ABSTRACT

A filter for filtering electronic signals that has improved isolation. The filter has a multi-layered dielectric block that has six surfaces. The block has a center portion. An input terminal is located on one side surface and has a portion extending onto the adjacent side surfaces toward the center portion. An output terminal is located on another side surface and has a portion extending onto the adjacent side surfaces toward the center portion. A pair of ground terminals are located on two other side surfaces at the center portion. A partial ground plane is located within the dielectric block. The ground plane extends from the center portion toward but not to the input and output terminal portions. The partial ground plane improves isolation of the filter.